

Recovery Plan Action Status

Plan Name: Recovery Plan for the Eastern Timber Wolf - Revised

Plan Status: Final Revision 1

Plan Date: 31-Jan-92

Lead Agency: USFWS

Lead Office: Twin Cities Ecological Services Field Office

(1612)
725-3548)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	11	Monitor Minnesota wolf population, distribution and status	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Research: Population Surveys	Species Expert	
Gray wolf (Canis lupus)	3	111	Survey canid trappers, DNR field personnel	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Population Surveys	Species Expert	Action Duration: every 5 years. Costs included under 11
Gray wolf (Canis lupus)	3	112	Radio-track in sample areas to determine local densities	Ongoing Current	Prior to FY 1995		U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Graduate Student, Species Expert	Action Duration: every 5 years. Costs included under 11
Gray wolf (Canis lupus)	2	113	Monitor annually in zone 1	Ongoing Current	Prior to FY 1995		U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Population Surveys	Species Expert	cost included under 11
Gray wolf (Canis lupus)	2	12	Monitor status of disease and parasites in Minnesota wolves	Ongoing Current	Prior to FY 1995		Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Management: Predator and Competitor Control	Labor type not yet selected	
Gray wolf (Canis lupus)	3	121	Obtain blood & fecal samples from depredation control & wolves trapped for research	Unknown			Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Work type not yet selected	Labor type not yet selected	cost included under 12

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Gray wolf (Canis lupus)	2	122	Check wolf condition, parasite load, & disease exposure via lab. Analysis of specimens collected	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Species Expert	cost included under 12
Gray wolf (Canis lupus)	3	123	Necropsy all wolves found dead	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Disease, Research: General	Labor type not yet selected	cost included under 12
Gray wolf (Canis lupus)	3	13	Obtain accurate information about wolf survival, mortality causes, productivity, ecology, behavior, and relations with prey under various weather conditions and phases of wolf population cycle in zone 1	Ongoing Current	Prior to FY 1995		U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: General	Internal Technical Assistance	
Gray wolf (Canis lupus)	2	131	Continue research on wolf ecology, behavior, and genetics	Ongoing Current	Prior to FY 1995		U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: General	Species Expert	cost included under 13
Gray wolf (Canis lupus)	2	132	Continue research on the ecology, behavior, and habitat requirements of deer, moose, and beaver	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Predation	Graduate Student, Species Expert	cost included under 13

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Gray wolf (Canis lupus)	2	14	Provide large tracts of wild land with low human densities and minimal access in zones 1, 2, and 3	Ongoing Current	Prior to FY 1995		National Park Service, Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Planning	Internal Technical Assistance	cost shown are only for monitoring and evaluating proposed land use changes
Gray wolf (Canis lupus)	2	141	Evaluate effects of changing current Minnesota Wolf Management Zone boundaries as recommended in Appendix III, or a modification of those recommendations, to better reflect past and present habitat conditions and increased knowledge of wolf habitat usage	Discontinued	FY 1995 - FY 1999	FY 1995 - FY 1999	National Park Service, Minnesota Department of Natural Resources, Minnesota Department of Agriculture , U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Planning	Internal Technical Assistance	cost to be determined
Gray wolf (Canis lupus)	2	141-1	Obtain current data on land use, highways, forest cover, ownership, and human population density for existing management Zones and proposed Zone modifications	Not Started			National Park Service, Minnesota Department of Natural Resources, Minnesota Department of Agriculture , U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost to be determined

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Gray wolf (Canis lupus)	2	141-2	Prepare economic analysis of any proposed new critical habitat designation; carry-out rule-making	Obsolete			National Park Service, Minnesota Department of Natural Resources, Minnesota Department of Agriculture , U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost to be determined
Gray wolf (Canis lupus)	2	142	Maintain road densities in zones 1, 2, and 3 at present levels or reduce them to levels below threshold levels	Ongoing Current	Prior to FY 1995		National Park Service, Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Planning	Internal Technical Assistance	cost included in 14
Gray wolf (Canis lupus)	3	143	Further study the relationship of human access by type, volume, and periodicity on wolf behavior, survival, and distribution	Complete	Prior to FY 1995	FY 2000 - FY 2004	National Park Service, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Species Expert	

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Gray wolf (Canis lupus)	3	144	Encourage land-use regulations in zones 1, 2, and 3 that minimize accessibility and intensive commercial development	Ongoing Current	Prior to FY 1995		National Park Service, Minnesota Department of Natural Resources, County and local land planning/land use agencies, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Planning, Other: Information and Education	Internal Technical Assistance	cost included in 14
Gray wolf (Canis lupus)	3	145	Require Federal agencies to prepare environmental assessments and/or environmental impact statements to evaluate project impacts on the wolf and initiate section 7 consultations	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Other	Internal Field Assistance	cost included in 14
Gray wolf (Canis lupus)	2	146	Encourage habitat management compatible with wolf ecology	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost included in 14

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Gray wolf (Canis lupus)	3	147	Discourage, in zones 1, 2 and 3, building of permanent roads, adverse development, settlement, and the destruction, disturbance, of other adverse modification of habitat that might reduce wolf populations or restrict their recovery	Ongoing Current	Prior to FY 1995		National Park Service, Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Planning	Internal Field Assistance	cost included in 14
Gray wolf (Canis lupus)	3	15	Maintain or increase prey populations in all zones by habitat improvement or other appropriate management practices	Ongoing Current	Prior to FY 1995		National Park Service, Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Land Use	Labor type not yet selected	
Gray wolf (Canis lupus)	3	151	Inventory forest acreage to determine conifer-hardwood composition in age classes and vegetation types	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Research: Habitat Status	Labor type not yet selected	cost included in 15
Gray wolf (Canis lupus)	3	152	Promote adequate hardwood and conifer composition in age classes and types to provide for maintenance or improvement of forest diversity	Unknown			Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Management: Land Use, Management: Planning	Labor type not yet selected	cost included in 15

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Gray wolf (Canis lupus)	3	153	Increase forest/wildlife coordination on the Superior NF and Chippewa NF to promote the use of the forest plan standards and guidelines to increase habitat inventory analysis and habitat manipulation	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture	Management: Planning	Internal Field Assistance	cost included in 15
Gray wolf (Canis lupus)	3	154	Encourage other public forest management agencies to develop forest/wildlife coordination programs	Ongoing Not Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost included in 15
Gray wolf (Canis lupus)	3	155	Determine the degree to which lower than optimum prey populations are the result of habitat deficiencies and/or overhunting	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources	Research: Population Surveys	Labor type not yet selected	cost included in 15
Gray wolf (Canis lupus)	3	156	Re-establish woodland caribou in suitable range, if feasible	Discontinued	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost to be determined

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Gray wolf (Canis lupus)	2	16	Provide concerted law enforcement in all zones	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, Minnesota Department of Natural Resources	Other: Law Enforcement	Labor type not yet selected	
Gray wolf (Canis lupus)	2	161	Inform the public regarding illegality of killing wolves by posting signs and through the media immediately before hunting season	Unknown			U.S. Fish and Wildlife Service, Law Enforcement Division, Minnesota Department of Natural Resources	Other: Information and Education	Volunteer	cost included in 16
Gray wolf (Canis lupus)	2	162	Respond quickly and openly to any report of illegal killing of wolves	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, Minnesota Department of Natural Resources	Other: Law Enforcement	Labor type not yet selected	cost included in 16
Gray wolf (Canis lupus)	2	163	Increase law enforcement officers before and during hunting seasons	Not Started			U.S. Fish and Wildlife Service, Law Enforcement Division, Minnesota Department of Natural Resources	Work type not yet selected	Labor type not yet selected	cost included in 16
Gray wolf (Canis lupus)	3	17	Regulate harvest of prey species in all zones to ensure sufficient surplus for wolf populations needs	Not Started			Minnesota Department of Natural Resources	Work type not yet selected	Labor type not yet selected	cost included in 11
Gray wolf (Canis lupus)	3	171	Monitor wolf population	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Population Surveys	Species Expert	cost included in 11
Gray wolf (Canis lupus)	3	172	Monitor prey populations	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Population Surveys	Labor type not yet selected	cost included in 11

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Gray wolf (Canis lupus)	3	173	Reduce harvest of deer, moose, and/or beaver if harvesting is demonstrated to be a cause of less than optimum numbers of wolves	Not Started			Michigan Department of Natural Resources, Minnesota Department of Natural Resources, Wisconsin Department of Natural Resources	Work type not yet selected	Labor type not yet selected	Action Duration: if needed. No additional cost
Gray wolf (Canis lupus)	3	18	Minimize domestic animal losses from wolf predation	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Predator and Competitor Control	Internal Technical Assistance	cost based upon current depredation control regulations
Gray wolf (Canis lupus)	3	181	Continue allowing the taking by authorized government (state or federal) employees of individual wolves killing domestic animals	Ongoing Current	Prior to FY 1995		Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Predator and Competitor Control	Internal Technical Assistance	cost included in 18
Gray wolf (Canis lupus)	3	182	Refine depredation control program regulations to reduce depredation problems while avoiding adversely affecting wolf populations	Ongoing Current	Prior to FY 1995		Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Predator and Competitor Control	Internal Technical Assistance	

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Gray wolf (Canis lupus)	3	182-1	Evaluate effects of adjusting current Zone boundaries based upon habitat suitability	Not Started			Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	see task 141. Costs included there
Gray wolf (Canis lupus)	3	182-2	Carry-out rule-making process for any changes resulting from task 182-1, and for tasks 182-3, 182-4, and 182-5	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	no additional cost
Gray wolf (Canis lupus)	3	182-3	Initiate livetrapping and translocation in zone 1 for verified depredation incidents	Not Started			Animal Damage Control (USDA)	Work type not yet selected	Labor type not yet selected	Begin after finalizing regulations; see 182-2
Gray wolf (Canis lupus)	3	182-4	Initiate preventive depredation control in Zone 4 at locations where ongoing depredation problems are verified	Not Started			Animal Damage Control (USDA)	Work type not yet selected	Labor type not yet selected	Begin after finalizing regulations; see 182-2
Gray wolf (Canis lupus)	3	182-5	Initiate preventive depredation control in zone 5 if no other legal means of control is established	Not Started			Animal Damage Control (USDA)	Work type not yet selected	Labor type not yet selected	Begin after finalizing regulations; see 182-2
Gray wolf (Canis lupus)	3	183	Encourage ranchers to obey laws requiring proper disposal of livestock carcasses	Ongoing Current	Prior to FY 1995		Minnesota Department of Natural Resources, Minnesota Department of Agriculture , Animal Damage Control (USDA)	Other: Information and Education	Labor type not yet selected	
Gray wolf (Canis lupus)	3	184	Enforce livestock carcass disposal law	Unknown			Minnesota Department of Agriculture	Work type not yet selected	Labor type not yet selected	

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Gray wolf (Canis lupus)	3	185	Encourage ranchers to keep livestock in or near barns until young are born	Ongoing Current	Prior to FY 1995		Minnesota Department of Agriculture	Other: Information and Education	Labor type not yet selected	
Gray wolf (Canis lupus)	3	186	Study factors affecting wolf-livestock depredations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Graduate Student	
Gray wolf (Canis lupus)	3	187	Encourage Minnesota Department of Agriculture to continue its program of compensation for livestock that are killed by wolves	Complete	Prior to FY 1995	FY 2000 - FY 2004	Minnesota Department of Natural Resources, Minnesota Department of Agriculture , U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Other	Labor type not yet selected	State program should continue if Federal program is not initiated
Gray wolf (Canis lupus)	3	188	Initiate a program of Federal compensation to owners of domestic animals verified as having been killed by wolves	Not Started			Animal Damage Control (USDA) , U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	

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Gray wolf (Canis lupus)	3	19	Promote efforts to educate the public about wolves	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, Private organizations involved in wolf conservation activities, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Other: Information and Education	Labor type not yet selected	

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Gray wolf (Canis lupus)	3	191	Assist media in accurately reporting news about wolves	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Other: Information and Education	Internal Technical Assistance	cost included under 19
Gray wolf (Canis lupus)	3	192	Publish research findings and provide to the media	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Graduate Student	cost included under 19

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Gray wolf (Canis lupus)	3	193	Support the development and activities of public education organizations such as the International Wolf Center	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, Private organizations involved in wolf conservation activities, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Other: Information and Education	Labor type not yet selected	International Wolf Center startup funding appropriated by MN Legislature in 1990

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Gray wolf (Canis lupus)	3	194	Develop and initiate an educational program on wolf natural history and ecology for grade schools and high schools	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, Private organizations involved in wolf conservation activities, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Other: Information and Education	Labor type not yet selected	

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Gray wolf (Canis lupus)	3	195	Develop and initiate an adult education program on wolf natural history and ecology	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, Private organizations involved in wolf conservation activities, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Other: Information and Education	Labor type not yet selected	

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Gray wolf (Canis lupus)	3	21	Protect and enhance existing wolf populations to restore a viable population of at least 100 wolves in Wisconsin and Michigan (outside of Isle Royale)	Ongoing Current	Prior to FY 1995		National Park Service, Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Fish and Wildlife Service, Division of Refuge Management, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Management: Depredation Control	Labor type not yet selected	
Gray wolf (Canis lupus)	3	211	Continue monitoring numbers, status, and distribution of wolves in Wisconsin and Michigan using radio-telemetry	Ongoing Current	Prior to FY 1995		Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Population Surveys	Internal Technical Assistance	

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Gray wolf (Canis lupus)	3	212	Continue monitoring disease exposure and parasite loads and develop treatments	Ongoing Current	Prior to FY 1995		Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Management: Disease Control	Labor type not yet selected	Canine parvovirus vaccine developed
Gray wolf (Canis lupus)	3	213	Have each wolf found dead necropsied	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Disease, Research: Other Information	Labor type not yet selected	
Gray wolf (Canis lupus)	3	214	Conduct concerted law enforcement	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Law Enforcement Division, Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation	Work type not yet selected	Labor type not yet selected	see number 16

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Gray wolf (Canis lupus)	3	215	Manage recovery areas to provide open (non-gated) road densities at or below threshold levels	Ongoing Current	Prior to FY 1995		Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Fish and Wildlife Service, Division of Refuge Management, U.S. Forest Service, U.S. Dept. of Agriculture	Management: Land Use, Management: Planning	Labor type not yet selected	
Gray wolf (Canis lupus)	3	215-1	Enter into cooperative agreements with interested agencies, landowners, and resource-user groups to manage access wherever possible to meet road-density guidelines	Not Started			Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs included in 215

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Gray wolf (Canis lupus)	3	215-2	Manage roads within recovery areas to meet road density standards	Ongoing Current	Prior to FY 1995		County and local land planning/land use agencies, Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, Private organizations involved in wolf conservation activities, U.S. Fish and Wildlife Service, Division of Refuge Management, U.S. Forest Service, U.S. Dept. of Agriculture	Management: Land Use, Management: Planning	Labor type not yet selected	costs included in 215
Gray wolf (Canis lupus)	3	215-3	Continue research on road density and wolf mortality	Complete	Prior to FY 1995	FY 2000 - FY 2004	Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Species Expert	costs included in 215

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Gray wolf (Canis lupus)	3	216	Analyze, summarize and publish existing data about Wisconsin-Michigan wolf population	Ongoing Current	Prior to FY 1995		Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Other: Information and Education, Research: Population Surveys	Labor type not yet selected	
Gray wolf (Canis lupus)	3	217	Conduct research on wolf population in the peripheral areas of Minnesota, in the St. Mary's River Area of Ontario in proximity to Wisconsin and Michigan, and in other areas to identify habitat components of "dispersal corridors" and to ascertain the rate of interchange of individuals between these regions	Ongoing Current	Prior to FY 1995		National Park Service, Michigan Department of Natural Resources, Minnesota Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research	Graduate Student	
Gray wolf (Canis lupus)	3	22	Determine where wolf re-establishment is ecologically sound and may occur naturally or may be accomplished through a transplant	Ongoing Current	Prior to FY 1995		Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Research: Habitat Requirements, Research: Population Surveys	Labor type not yet selected	

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Gray wolf (Canis lupus)	3	221	Consult vegetation and ownership maps, land use maps and plans, and local biologists to define and select suitable areas for re-establishment	Ongoing Current	Prior to FY 1995		Michigan Department of Natural Resources, Wisconsin Department of Natural Resources, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Action Duration: Unknown. Costs included in 22
Gray wolf (Canis lupus)	3	222	Determine potential prey densities in the selected areas	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs included in 22

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	223	Determine human densities and land use patterns in the selected areas	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs included in 22
Gray wolf (Canis lupus)	3	224	Determine possible impact of re-establishment on public health	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs included in 22

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	225	Estimate effect of re-establishing wolves on other wildlife and domestic animals	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs included in 22
Gray wolf (Canis lupus)	3	226	Select most inaccessible areas with adequate food supply and minimum human population	Not Started			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs included in 22

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	23	Gain public support for re-establishing the eastern timber wolf	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Other: Information and Education	Labor type not yet selected	
Gray wolf (Canis lupus)	3	231	Obtain cooperation from appropriate State and Federal agencies	Complete	Prior to FY 1995	FY 2000 - FY 2004	Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Planning	Labor type not yet selected	cost included in 23

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	232	Obtain support of local people	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost included in 23
Gray wolf (Canis lupus)	3	232-1	Assess public attitudes and contact selected individuals and key groups for support	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost included in 23

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	232-2	Publish facts of situation in news media	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost included in 23
Gray wolf (Canis lupus)	3	233	Inform key legislators and gain their support	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost included in 23

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	234	Develop management practices, including the potential taking of problem animals, to be applied when wolf populations are re-established	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	These should be agreed upon an announced before re-establishment takes place. Costs to be determined.
Gray wolf (Canis lupus)	3	235	Hold public meetings and seek support	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	cost to be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	236	Determine legal implications if transplants are proposed	Not Started			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs to be determined
Gray wolf (Canis lupus)	3	237	Conduct intensive public education campaign via organizations such as the Timber Wolf Alliance	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	see item 19; costs to be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	24	Stock wolves in new areas if wolf populations are not rebuilding naturally	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs to be determined
Gray wolf (Canis lupus)	3	241	Obtain permits from appropriate State and Federal agencies	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs to be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	242	Obtain disease-free wolves from nearest substantial population	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs to be determined
Gray wolf (Canis lupus)	3	243	Deliver wolves to release point	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs to be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	244	Effect non-traumatic release of wolves	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	costs to be determined
Gray wolf (Canis lupus)	3	25	Monitor restocking efforts and population levels in new areas; collect appropriate research data to refine each subsequent reintroduction	Obsolete	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Research: Population Surveys	Labor type not yet selected	costs to be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	251	Train local biologists to radio-track	Obsolete	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Work type not yet selected	Labor type not yet selected	costs to be determined
Gray wolf (Canis lupus)	3	252	Radio-track transplanted wolves daily for first week and at intervals of twice/week for next 2 months and appropriate intervals thereafter	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Work type not yet selected	Labor type not yet selected	costs to be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	26	Close coyote seasons during big game season in wolf areas	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation	Other: Information and Education, Other: Law Enforcement	Labor type not yet selected	costs to be determined
Gray wolf (Canis lupus)	3	27	Develop and implement plans for habitat improvement and maintenance for appropriate prey species to maintain wolf populations	Ongoing Current	Prior to FY 1995		Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Management: Land Use, Management: Planning	Labor type not yet selected	
Gray wolf (Canis lupus)	3	3	Continue management to perpetuate natural conditions for the eastern timber wolf on Isle Royale National Park, Michigan	Ongoing Current	Prior to FY 1995		National Park Service	Management: Land Use	Labor type not yet selected	No additional cost

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	31	Continue to provide complete protection	Ongoing Current	Prior to FY 1995		National Park Service	Other: Administration, Other: Law Enforcement, Other: Regulations	Labor type not yet selected	No additional cost
Gray wolf (Canis lupus)	3	32	Permit natural fires to run their course	Unknown			National Park Service	Work type not yet selected	Labor type not yet selected	No additional cost
Gray wolf (Canis lupus)	3	33	Continue research on wolf ecology	Ongoing Current	Prior to FY 1995		National Park Service	Research	Labor type not yet selected	No additional cost
Gray wolf (Canis lupus)	3	41	Determine where re-establishment is ecologically sound in the Adirondack Mountains, N.Y. and Maine/New Hampshire	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	4..series tasks to be initiated if WI/MI wolf population is failing

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	411	Consult vegetation and ownership maps, land use maps and plans, and local biologists to define and select suitable areas for wolf transplants	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 41

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	412	Determine potential prey densities in the selected the areas	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments whhich have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 41

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	413	Determine human densities and land use patterns in the selected areas	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 41

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	414	Determine possible impact of transplants on public health	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 41

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	415	Estimate effect of establishing wolves on other wildlife and domestic animals	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 41

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	416	Select most inaccessible areas with adequate food supply and minimum human population	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 41

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	42	Gain public support for re-establishing the eastern timber wolf	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	421	Obtain cooperation from appropriate State and Federal agencies	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 42

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	422	Obtain support of local people	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 42

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	423	Obtain support of key legislatures	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 42

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	424	Develop management practices to be applied when wolf populations are re-established	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	These should be agreed upon and announced before transplants take place. Costs included in 42

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	425	Hold public meetings and seek support	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 42

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	426	Determine legal implications of transplant	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 42

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	427	Conduct intensive public education campaign	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	Included in 42; see item 19

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	43	Stock wolves in new areas	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	To be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	431	Obtain permits from appropriate State and Federal agencies	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	To be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	432	Obtain disease-free wolves from nearest viable population	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	To be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	433	Deliver wolves to release point	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	To be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	434	Effect non-traumatic release of wolves	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	To be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	44	Monitor restocking efforts and population levels in new areas	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	To be determined
Gray wolf (Canis lupus)	3	441	Train local biologists to radio-track	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Work type not yet selected	Labor type not yet selected	To be determined

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	442	Radio-track transplanted wolves daily for first week and at intervals of twice/week for next 2 months and appropriate intervals thereafter	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities, U.S. Fish and Wildlife Service, handling FWS eastern timber wolf research projects	Work type not yet selected	Labor type not yet selected	To be determined
Gray wolf (Canis lupus)	3	45	Close coyote seasons during big game season in wolf areas	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation	Work type not yet selected	Labor type not yet selected	No additional cost

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Gray wolf (Canis lupus)	3	46	Develop and implement plans for habitat improvement and maintenance for appropriate prey species to maintain wolf populations	Obsolete			Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Fish and Wildlife Service, Endangered Species Division, covering the Mid-Atlantic and New England wolf recovery and law enforcement activities	Work type not yet selected	Labor type not yet selected	
Gray wolf (Canis lupus)	3	5	Create a Coordination Committee of state and Federal representatives to implement the Eastern Timber Wolf Recovery Plan	Ongoing Current	Prior to FY 1995		National Park Service, Departments of Natural Resources in Minnesota, Michigan, and Wisconsin; also includes other units of state governments which have authority to conserve endangered species, such as New York State Department of Environmental Conservation, U.S. Forest Service, U.S. Dept. of Agriculture, U.S. Fish and Wildlife Service, Endangered Species Division, covering Michigan, Minnesota, and Wisconsin wolf recovery and law enforcement activities	Other	Internal Technical Assistance	